| <del></del>  |                             |  | JOIA Reold DCT/PTO 19 DEC  |
|--|-----------------------------|--|--|
| FORM PTO-1390<br>TREV (1-94)   |                             | RTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE   | Afforher's bocker number YMOR: 233   |
| TRANSMITTAL LETTER TO THE UNITED STATES                                      |                             |  | 1MOR: 233  |
| DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 |                             |  | 11000018477  |
|  |                             | <del></del>  |  |
| INTERNATIONAL APPLI  |                             | INTERNATIONAL FILING DATE  16 April 2001   | PRIORITY DATE CLAIMED 21 April 2000  |
| PCT/JP01/03254   |                             | L DISC APPARATUS AND   | 21 April 2000 -  |
|  | OPTICA                      | L DISC DISCRIMINATING METHOD   |  |
| APPLICANT(S) FOR DO  | EO/US Kazı                  | uhiro TAKEUCHI   |  |
| Applicant herewith submit  | ts to the United State      | es Designated/Elected Office (DO/EO/US) the follo  | owing items and other information:   |
| This is a FIRST  | <b>F</b> submission of item | ns concerning a filing under 35 U.S.C. 371.  |  |
|  |                             | NT submission of items concerning a filing under   | R Comment of the Comm |
|  |                             | nal examination procedures (35 U.S.C. 371(f) at an<br>the applicable time limit set in 35 U.S.C. 371(b) an |  |
| . ह्या   |                             | Preliminary Examination was made by the 19th mo  | onth from the earliest claimed priority date.  |
| <del></del>  | • -                         | lication as filed (35 U.S.C. 371(c)(2))  | antinent Promon  |
|  |                             | (required only if not transmitted by the Interror the Interror the International Bureau.                   | акола вигеаи).   |
|  | •                           | pplication was filed in the United States Rece   | iving Office (RO/US).  |
| 6. X A translation   | of the Internationa         | Application into English (35 U.S.C. 371(c)(  | 2)).   |
| <del></del>  |                             | e International Application under PCT Article  | *  |
| ()   |                             | (required only if not transmitted by the Inter   | mational Bureau).  |
|  |                             | by the International Bureau.  Wever, the time limit for making such amend                                  | ments has NOT expired  |
|  | not been made and           | •  |  |
|  |                             | to the claims under PCT Article 19 (35 U.S.)   | C. 371(c)(3)).   |
| 9. X An oath or de   | claration of the inv        | ventor(s) (35 U.S.C. 371(c)(4)).   | \$   |
| 10. A translation of (35 U.S.C. 37)  |                             | he International Preliminary Examination Rep   | oort under PCT Article 36  |
| Items 11. to 16. below   | concern documen             | nt(s) or information included:   |  |
| II. 🗵 An Informatio  | n Disclosure State          | ment under 37 CFR 1,97 and 1,98.   | 1  |
| 12. 🛛 An assignmen   | t document for rec          | ording. A separate cover sheet in compliance   | with 37 CFR 3.28 and 3.31 is included.   |
| 13. A FIRST orelia   | minarv amendmen             | t.   |  |
| ☐ A SECOND o   | r SUBSEQUENT ;              | preliminary amendment.   |  |
| 14. A substitute se  | ecification.                |  |  |
| 15. A change of po   | ower of attorney ar         | nd/or address letter.  |  |
| 16. 🗵 Other items or   | information:                |  | 1  |
| PCT Reque  | est.                        |  | · ·  |
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page 1 of 2

| U.S. APPLICATION OF  | UT8477  | INTERNATIONAL APPLICATION NO<br>PCT/JP01/03254  |   | ATTORNEY'S DOC!   |  |
|--|---|---|---|---|--|
|  | lowing fees are submitte  | ed:   |   | CALCULATIONS  | PTO USE ONLY                           |
| Neither inten  | onal search fee (37 CFR   | 2 (a) (1) - (5) ):<br>nination fee (37 CFR 1.482)<br>1.445(a)(2)) paid to USPTO<br>repared by the EPO or JPO · · · · ·  | 531 Rec'd   | PCT/FT 1  | 9 DEC 200                              |
|  |   | fee (37 CFR 1.482) not paid to ort prenared by the EPO or JPO.  | \$890.00  |   |  |
|  | preliminary examination search fee (37 CFR 1.44   | fee (37 CFR 1.482) not paid to US<br>5(a)(2)) paid to USPTO   |   |   |  |
| International<br>but all claims  | preliminary examination did not satisfy provision   | fee paid to USPTO (37 CFR 1.48 is of PCT Article 33(1)-(4)  | 32)<br>\$710.00   |   |  |
| International and all claims   | preliminary examination<br>satisfied provisions of I  | fee paid to USPTO (37 CFR 1.48<br>PCT Article 33(1)-(4)   | 82)<br>\$100.00   |   |  |
|  | ENTER APPR  | <b>\$</b> 890.00  |   |   |  |
|  | 0.00 for furnishing the or earliest claimed priority  | ath or declaration later than 2 date (37 CFR 1.492(e)).   |   | s   |  |
| CLAIMS   | NUMBER FILED  | NUMBER EXTRA  | RATE  |   |  |
| Total claims   | 24 - <b>20</b> :  |   | X \$18.06   | \$ 72200  |  |
| Independent claims   | 1 -3 =  |   | X\$84.00  | \$  |  |
| MULTIPLE DEPI  | ENDENT CLAIM(S) (if app   |   | + \$280.00  | \$  | <b> </b>                               |
|  | TOTA  | L OF ABOYE CALCULA  | rions =   | \$ 962.00   | <b> </b>                               |
|  | for filing by small entity<br>I (Note 37 CFR 1.9, 1.27  | \$  |   |   |  |
|  |   | SUBT  | TOTAL =   | \$ 962.00   |  |
|  |   | he English translation later than   | <b>20 30</b>  | \$  |  |
| months from the  | earliest claimed priority   | date (37 CFR 1.492(f)).   | +   |   |  |
| months from the  | earliest claimed priority   | date (37 CFR 1.492(f)).  TOTAL NATION   |   | \$ 962.00   |  |
| Fee for recording  | the enclosed assignment   |   | AL FEE =  | \$ 962.00<br>\$ 40.00   |  |
| Fee for recording  | the enclosed assignment   | TOTAL NATION<br>(37 CFR 1.21(h)). The assignment (37 CFR 3.28, 3.31). \$40.00 pc  | AL FEE = ent must be r property +   | \$ 40.00  |  |
| Fee for recording  | the enclosed assignment   | TOTAL NATION (37 CFR 1.21(h)). The assignment   | AL FEE = ent must be r property +   | \$ 40.00  | \$                                     |
| Fee for recording  | the enclosed assignment   | TOTAL NATION<br>(37 CFR 1.21(h)). The assignment (37 CFR 3.28, 3.31). \$40.00 pc  | AL FEE = ent must be r property +   | \$ 40.00<br>\$ 1,002.00<br>Amount to be:  | \$                                     |
| Fee for recording accompanied by a a. A check  | the enclosed assignment   | TOTAL NATION  (37 CFR 1.21(h)). The assignment (37 CFR 3.28, 3.31). \$40.00 per  TOTAL FEES ENC  ,002.00 to cover the above the number of the cover the number of the cover the above the number of the cover the number of the number of the cover the number of the numbe   | AL FEE = ent must be r property + LOSED =   | \$ 40.00<br>\$ 1,002.00<br>Amount to be:<br>refunded<br>charged<br>1. CK# \2\82   | s<br>L                                 |
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| a. A check b. Please c A duplic c. The Coroverpay  | the enclosed assignment an appropriate cover sheet an appropriate cover sheet in the amount of \$\frac{1}{2}\$ tharge my Deposit Account ate copy of this sheet is mmissioner is hereby aut ment to Deposit Account the an appropriate time lies.   | TOTAL NATION  (37 CFR 1.21(h)). The assignment (37 CFR 3.28, 3.31). \$40.00 per  TOTAL FEES ENC  ,002-00 to cover the above the second of the cover the above the cover   | AL FEE = ent must be r property + LOSED =  we fees is enclosed amount of \$  dees which may be the copy of this sho | \$ 40.00 \$ 1,002.00 Amount to be: refunded charged 4. CK# \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \   | yer the above fees.                    |
| a. A check b. Please of A duplice. The Coroverpay  NOTE: Where 1.137(a) or (b) SEND ALL CORRES ROGER W. PARKHURS 1421 Pri Alexandr | the enclosed assignment an appropriate cover sheet an appropriate cover sheet in the amount of \$\frac{1}{2}\$ tharge my Deposit Account act copy of this sheet is missioner is hereby aut ment to Deposit Account the an appropriate time lie and grant be filed and grant the sheet and grant | TOTAL NATION  (37 CFR 1.21(h)). The assignment (37 CFR 3.28, 3.31). \$40.00 per total (38 CFR 3.28, 3.31). \$4 | ALFEE = ent must be r property + LOSED =  ve fees is enclosed amount of \$  | \$ 40.00 \$ 1,002.00 Amount to be: refunded charged 4. CK# 1482  to covere required, or credit sect is enclosed.  met, a petition to re | ver the above fees.  any  vive (37 CFR |